

(FILE 'HOME' ENTERED AT 16:38:51 ON 29 JUL 2004)

FILE 'REGISTRY' ENTERED AT 16:39:03 ON 29 JUL 2004

L1 1 S BAICALIN/CN
L2 1 S SCUTELLARIN/CN
L3 1 S DIHYDROBAICALIN/CN
L4 1 S IKONNIKOSIDE I/CN
L5 1 S LATERIFLORIN/CN
L6 1 S BAICALEIN/CN
L7 1 S LATERIFLOREIN/CN
L8 1 S WOGONIN/CN

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS, IFIPAT' ENTERED AT 16:43:31 ON 29 JUL 2004

FILE 'REGISTRY' ENTERED AT 16:43:56 ON 29 JUL 2004

SET SMARTSELECT ON
L9 SEL L1 1- CHEM : 7 TERMS
SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS, IFIPAT' ENTERED AT 16:43:56 ON 29 JUL 2004

L10 1519 S L9

FILE 'REGISTRY' ENTERED AT 16:44:21 ON 29 JUL 2004

SET SMARTSELECT ON
L11 SEL L2 1- CHEM : 9 TERMS
SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS, IFIPAT' ENTERED AT 16:44:21 ON 29 JUL 2004

L12 231 S L11

FILE 'REGISTRY' ENTERED AT 16:45:11 ON 29 JUL 2004

SET SMARTSELECT ON
L13 SEL L3 1- CHEM : 3 TERMS
SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS, IFIPAT' ENTERED AT 16:45:11 ON 29 JUL 2004

L14 19 S L13

FILE 'REGISTRY' ENTERED AT 16:45:22 ON 29 JUL 2004

SET SMARTSELECT ON
L15 SEL L4 1- CHEM : 2 TERMS
SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS, IFIPAT' ENTERED AT 16:45:23 ON 29 JUL 2004

L16 14 S L15

FILE 'REGISTRY' ENTERED AT 16:45:31 ON 29 JUL 2004

SET SMARTSELECT ON
L17 SEL L5 1- CHEM : 2 TERMS
SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS, IFIPAT' ENTERED AT 16:45:32 ON 29 JUL 2004

L18 9 S L17

FILE 'REGISTRY' ENTERED AT 16:45:41 ON 29 JUL 2004

SET SMARTSELECT ON
L19 SEL L6 1- CHEM : 5 TERMS

SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS,
IFIPAT' ENTERED AT 16:45:41 ON 29 JUL 2004

L20 2277 S L19

FILE 'REGISTRY' ENTERED AT 16:45:54 ON 29 JUL 2004

SET SMARTSELECT ON

L21 SEL L8 1- CHEM : 3 TERMS

SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS,
IFIPAT' ENTERED AT 16:45:55 ON 29 JUL 2004

L22 892 S L21

FILE 'REGISTRY' ENTERED AT 16:46:24 ON 29 JUL 2004

SET SMARTSELECT ON

L23 SEL L7 1- CHEM : 2 TERMS

SET SMARTSELECT OFF

FILE 'BIOSIS, MEDLINE, CAPLUS, CAOLD, LIFESCI, SCISEARCH, JICST-EPLUS,
IFIPAT' ENTERED AT 16:46:24 ON 29 JUL 2004

L24 4 S L23

L25 4 S (L10 AND L12 AND L14 AND L16 AND L18 AND L20 AND L24 AND L22)

L26 3 DUP REM L25 (1 DUPLICATE REMOVED)

L27 3 S L26 AND (SCUTELLARIA? OR SKULLCAP OR SKULL CAP OR SCULL CAP O

L28 3 DUP REM L27 (0 DUPLICATES REMOVED)

L29 1155 S (L10 OR L12 OR L14 OR L16 OR L18 OR L20 OR L22 OR L24) AND (S

L30 879 S (L10 OR L12 OR L14 OR L16 OR L18 OR L20 OR L22 OR L24) (S) (SC

L31 486 DUP REM L30 (393 DUPLICATES REMOVED)

L32 363 S L31 AND PD<20020906

L33 50 S L32 AND (BOIL? OR HIGH TEMP? OR ALCOHOL? OR HOT WATER? OR HO

L34 36 S (L10 OR L12 OR L14 OR L16 OR L18 OR L20 OR L22 OR L24) (S) (VI

L35 86 S (L10 OR L12 OR L14 OR L16 OR L18 OR L20 OR L22 OR L24) AND (V

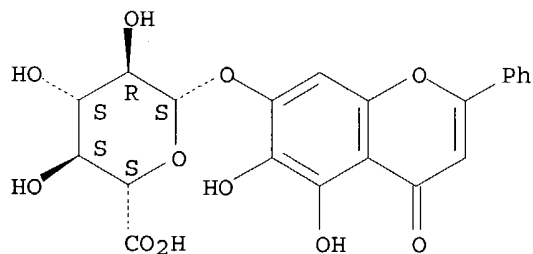
L36 50 DUP REM L35 (36 DUPLICATES REMOVED)

L37 25 S L36 AND PD<20020906

=>

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 21967-41-9 REGISTRY
 CN β -D-Glucopyranosiduronic acid, 5,6-dihydroxy-4-oxo-2-phenyl-4H-1-benzopyran-7-yl (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN **Baicalin (6CI, 7CI, 8CI)**
 OTHER NAMES:
 CN Baicalein 7-glucuronide
 CN Baicalein 7-O- β -D-glucuronide
 FS STEREOSEARCH
 DR 27462-75-5, 31564-28-0, 100647-26-5
 MF C21 H18 O11
 CI COM
 LC STN Files: ADISINSIGHT, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, NAPRALERT, PROUSDDR, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Conference; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry.



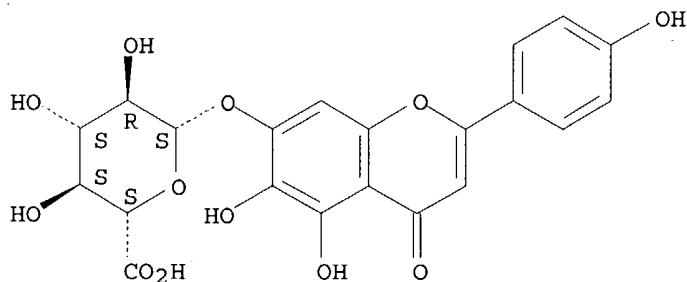
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

700 REFERENCES IN FILE CA (1907 TO DATE)
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 702 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 27740-01-8 REGISTRY
 CN β -D-Glucopyranosiduronic acid, 5,6-dihydroxy-2-(4-hydroxyphenyl)-4-oxo-4H-1-benzopyran-7-yl (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Flavone, 4',5,6,7-tetrahydroxy-, 7- β -D-glucopyranuronoside (8CI)
 CN Glucopyranosiduronic acid, 5,6-dihydroxy-2-(p-hydroxyphenyl)-4-oxo-4H-1-benzopyran-7-yl, β -D- (8CI)
 CN **Scutellarin (6CI, 7CI)**
 OTHER NAMES:
 CN Scutellarein 7- β -D-glucuronide
 CN Scutellarein 7- β -D-glucuronoside
 CN Scutellarein 7-glucuronide
 CN Scutellarein-7-O- β -D-glucuronide
 FS STEREOSEARCH
 DR 1329-06-2, 32647-60-2, 676536-34-8
 MF C21 H18 O12
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CSCHEM, MEDLINE, NAPRALERT, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Conference; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses); NORL (No role in record)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

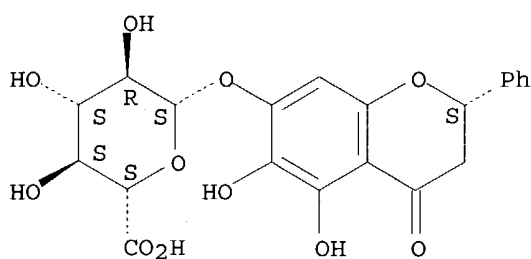
121 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 121 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 56226-98-3 REGISTRY
 CN β -D-Glucopyranosiduronic acid, (2S)-3,4-dihydro-5,6-dihydroxy-4-oxo-2-phenyl-2H-1-benzopyran-7-yl (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN β -D-Glucopyranosiduronic acid, 3,4-dihydro-5,6-dihydroxy-4-oxo-2-

phenyl-2H-1-benzopyran-7-yl, (S)-
 OTHER NAMES:
 CN **Dihydrobaicalin**
 FS STEREOSEARCH
 DR 86992-47-4
 MF C21 H20 O11
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAPLUS,
 NAPRALERT, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA CAPLUS document type: Journal; Patent
 RL.P Roles from patents: PREP (Preparation)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PREP (Preparation); PRP (Properties)

Absolute stereochemistry.



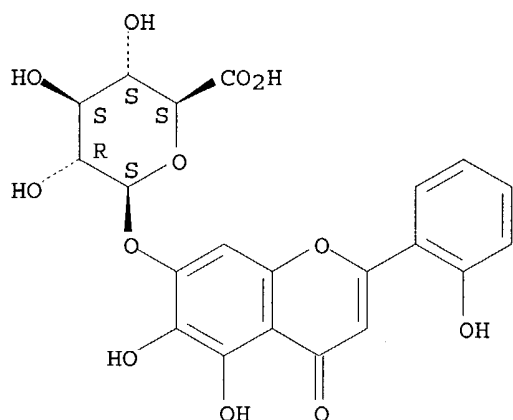
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)
 9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 119152-49-7 REGISTRY
 CN β -D-Glucopyranosiduronic acid, 5,6-dihydroxy-2-(2-hydroxyphenyl)-4-oxo-4H-1-benzopyran-7-yl (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN **Ikonnikoside I**
 FS STEREOSEARCH
 MF C21 H18 O12
 SR CA
 LC STN Files: BEILSTEIN*, BIOBUSINESS, CA, CAPLUS, NAPRALERT, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA CAPLUS document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
 (Preparation); PROC (Process); PRP (Properties)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)

9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 521066-22-8 REGISTRY

CN β -D-Glucopyranosiduronic acid, 5,6-dihydroxy-2-(2-methoxyphenyl)-4-oxo-4H-1-benzopyran-7-yl (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Lateriflorin**

FS STEREOSEARCH

MF C22 H20 O12

SR CA

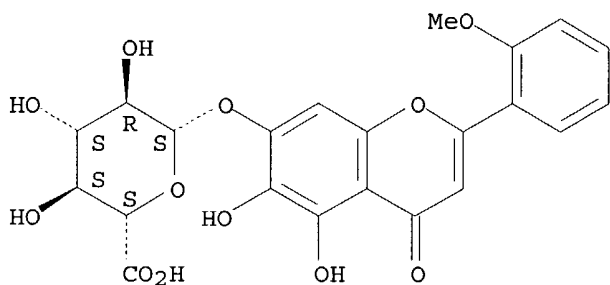
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: PREP (Preparation)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PRP (Properties)

Absolute stereochemistry.



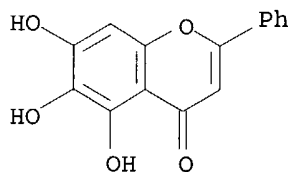
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 491-67-8 REGISTRY
 CN 4H-1-Benzopyran-4-one, 5,6,7-trihydroxy-2-phenyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN **Baicalein (6CI)**
 CN Flavone, 5,6,7-trihydroxy- (7CI, 8CI)
 OTHER NAMES:
 CN 5,6,7-Trihydroxyflavone
 CN Noroxylin
 CN NSC 661431
 FS 3D CONCORD
 MF C15 H10 O5
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
 BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT,
 CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IPA, MEDLINE, MRCK*,
 NAPRALERT, PHAR, PROUSDDR, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA Caplus document type: Conference; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); PRP (Properties); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study); PROC (Process)



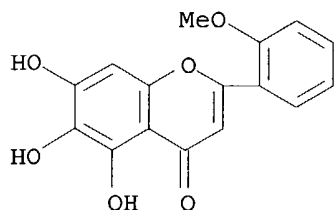
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

697 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 699 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 17

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 521066-18-2 REGISTRY
 CN 4H-1-Benzopyran-4-one, 5,6,7-trihydroxy-2-(2-methoxyphenyl)- (9CI) (CA
 INDEX NAME)
 OTHER NAMES:
 CN **Lateriflorein**
 FS 3D CONCORD
 MF C16 H12 O6
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Caplus document type: Journal; Patent
 RL.P Roles from patents: PREP (Preparation)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); OCCU (Occurrence); PREP (Preparation); PRP (Properties)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 18

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 632-85-9 REGISTRY

CN 4H-1-Benzopyran-4-one, 5,7-dihydroxy-8-methoxy-2-phenyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Flavone, 5,7-dihydroxy-8-methoxy- (7CI, 8CI)

CN **Wogonin (6CI)**

OTHER NAMES:

CN 5,7-Dihydroxy-8-methoxyflavone

FS 3D CONCORD

MF C16 H12 O5

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, NAPRALERT, NIOSHTIC, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL

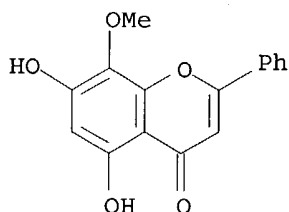
(*File contains numerically searchable property data)

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PROC (Process); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

375 REFERENCES IN FILE CA (1907 TO DATE)

7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

376 REFERENCES IN FILE CAPLUS (1907 TO DATE)

9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>